

Executive Summary Report

SMOG CHECK Statewide

May 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	873,172	106,524	12.20%
Total	1,002,223	135,634	13.53%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	754,734	86.44%	118,438	13.56%
Total	850,244	84.84%	151,979	15.16%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	460,710	86.36%	72,788	13.64%
Total	521,799	85.49%	88,540	14.51%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	16,157	1.85%
All Emissions	53,312	6.11%
All Visual	12,697	1.45%
All Functional	69,991	8.02%
OBDII	38,039	4.36%
Overall	106,524	12.20%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	706,024	86,961	12.32%	13,006	1.84%
Partially Enhanced	42,600	6,077	14.27%	892	2.09%
Basic	78,227	8,734	11.16%	1,411	1.80%
Change of Ownership	5,215	777	14.90%	211	4.05%
No Program	5	0	0.00%	0	0.00%
Unknown Program	41,101	3,975	9.67%	637	1.55%
Total Program Area	873,172	106,524	12.20%	16,157	1.85%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	533,498	71,434	13.39%	11,505	2.16%
Regular	254,718	22,097	8.68%	2,654	1.04%
Basic Area Dealer	4,419	202	4.57%	13	0.29%
Gold Shield in Enhanced Area	59,455	9,626	16.19%	1,397	2.35%
Gold Shield in Basic Area	11,756	1,811	15.40%	343	2.92%
Gold Shield in COO Area	4,650	644	13.85%	166	3.57%
Business Fleet	11	0	0.00%	0	0.00%
Permanent Fleet Registered	29	1	3.45%	1	3.45%
Referee	747	403	53.95%	50	6.69%
Government Fleet	3,888	306	7.87%	28	0.72%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	873,172	106,524	12.20%	16,157	1.85%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	283,171	255,660
Directed Vehicles	250,327	205,050
Total	533,498	460,710

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	56,120	48,210
Directed Vehicles	19,741	14,853
Total	75,861	63,063

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1970	2	1	50.00%	0.00%	0.00%	0.00%	50.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	9	4	44.44%	33.33%	33.33%	33.33%	0.00%	0.00%
MY-1976	1,380	405	29.35%	19.20%	8.48%	17.32%	7.68%	0.00%
MY-1977	1,884	555	29.46%	18.10%	6.90%	18.10%	8.23%	0.00%
MY-1978	2,171	656	30.22%	17.55%	8.84%	19.25%	8.71%	0.00%
MY-1979	2,269	712	31.38%	20.85%	10.75%	19.88%	8.99%	0.00%
MY-1980	1,381	404	29.25%	20.13%	10.93%	17.31%	7.89%	0.00%
MY-1981	1,749	539	30.82%	23.33%	10.81%	17.72%	8.40%	0.00%
MY-1982	1,882	529	28.11%	20.88%	9.78%	15.57%	7.65%	0.00%
MY-1983	2,842	789	27.76%	20.83%	9.54%	15.87%	7.25%	0.00%
MY-1984	4,848	1,519	31.33%	24.61%	11.61%	17.37%	7.12%	0.00%
MY-1985	6,638	1,911	28.79%	22.21%	10.44%	15.17%	6.73%	0.00%
MY-1986	9,076	2,527	27.84%	20.69%	9.67%	15.71%	5.58%	0.00%
MY-1987	10,680	2,986	27.96%	21.10%	8.62%	14.71%	5.20%	0.00%
MY-1988	13,114	3,468	26.45%	19.32%	8.02%	15.10%	5.06%	0.00%
MY-1989	17,167	4,075	23.74%	16.71%	6.20%	13.36%	3.87%	0.00%
MY-1990	21,167	4,730	22.35%	16.08%	5.56%	11.97%	3.01%	0.00%
MY-1991	24,531	5,258	21.43%	15.31%	5.09%	11.56%	2.82%	0.00%
MY-1992	25,119	4,968	19.78%	13.86%	4.57%	10.44%	2.58%	0.00%
MY-1993	29,698	6,576	22.14%	16.70%	4.16%	10.31%	2.65%	0.00%
MY-1994	33,342	6,808	20.42%	14.24%	3.33%	9.98%	2.55%	0.00%
MY-1995	49,368	7,855	15.91%	10.55%	2.41%	7.66%	1.92%	0.00%
MY-1996	32,804	6,201	18.90%	8.21%	1.49%	13.71%	1.59%	12.83%
MY-1997	63,521	8,472	13.34%	5.14%	0.84%	9.69%	0.97%	9.07%
MY-1998	47,358	6,008	12.69%	4.10%	0.73%	9.76%	0.97%	9.31%
MY-1999	88,146	7,019	7.96%	1.94%	0.37%	6.42%	0.63%	6.13%
MY-2000	43,786	4,355	9.95%	2.13%	0.53%	8.36%	0.71%	8.05%
MY-2001	122,641	8,157	6.65%	0.76%	0.18%	5.99%	0.47%	5.76%
MY-2002	32,420	2,307	7.12%	0.89%	0.20%	6.30%	0.52%	6.10%
MY-2003	134,491	5,304	3.94%	0.39%	0.11%	3.52%	0.28%	3.35%
MY-2004	13,881	496	3.57%	0.39%	0.09%	3.15%	0.24%	3.00%
MY-2005	16,045	517	3.22%	0.29%	0.04%	2.85%	0.19%	2.72%
MY-2006	7,011	204	2.91%	0.24%	0.13%	2.52%	0.34%	2.30%
MY-2007	4,802	123	2.56%	0.21%	0.00%	2.25%	0.21%	2.10%
MY-2008	4,510	58	1.29%	0.13%	0.00%	1.11%	0.09%	1.02%
MY-2009	1,423	27	1.90%	0.56%	0.07%	1.34%	0.42%	1.26%
MY-2010	12	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	873,172	106,524	12.20%	6.11%	1.85%	8.02%	1.45%	4.36%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	545
Certificate of Non Compliance	1
Parts Cost	125
Hardship Extensions	357
Exempt Vehicle	40
Exempted by Directive	120
Parts Exemption	10
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,198

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,059
Stations Locked-Out at Least Once	100
Stations Conducted at Least One Test	7,112

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,879	5,884
EA	Gas Endorsement	10	0
EB	Both Endorsement	50	0
EB	Gas Endorsement	512	0
EU	Both Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	468,362	48.94	58,199	49.79	526,561	49.03
Test and Repair	166,878	46.89	84,361	46.57	251,239	46.78
Test and Repair Dealer	29	83.07	4,390	51.56	4,419	51.76
Referee	273	30.00	125	30.00	398	30.00
Gold Shield in Enhanced Area	50,078	48.32	9,215	48.29	59,293	48.31
Gold Shield in Basic Area	388	60.95	11,368	38.37	11,756	39.12
Gold Shield in COO Area	256	61.95	4,394	50.62	4,650	51.24

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,674	21.90	23,942	207.61
	\$51-150	5,962	100.36		
	\$151-250	3,539	200.35		
	\$251-450	3,911	336.35		
	Over \$450	2,856	763.24		
CAP Repairs	\$0-50	140	22.86	5,112	394.69
	\$51-150	307	105.93		
	\$151-250	517	206.05		
	\$251-450	1,699	356.63		
	Over \$450	2,449	518.37		
Total Repairs	\$0-50	6,299	21.96	25,013	279.39
	\$51-150	4,682	100.12		
	\$151-250	3,465	201.82		
	\$251-450	5,057	342.87		
	Over \$450	5,510	716.51		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,787	394.69

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	32	5	0	0	1	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	29	4	0	0	2	1	2	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	263	61	10	4	15	32	32	15
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	202	31	3	3	9	17	22	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	36,194	7,354	1,014	355	2,618	3,659	4,857	895
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	64	3	1	38	20	45	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	190	189	37	78	44	94	100	99
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	121,202	10,638	1,028	527	5,903	3,865	7,949	1,023
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	384,590	63,196	10,182	3,556	19,785	35,443	39,715	7,593
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	45	18	4	1	7	12	12	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	13	3	1	1	0	3	0	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,456	854	135	48	270	452	568	92
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	1	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	12	14	1	10	1	7	8	11
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,871	3,013	398	162	965	1,595	1,901	366
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	15	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,560	1,783	277	105	491	1,022	1,064	187
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	1	5	0	0	3	2	3	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,513	311	57	24	129	164	207	50
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	204	20	1	44	145	68	1
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	10,999	1,003	146	64	462	494	664	120
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair Dealer	0	1	0	0	0	1	0	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,084	1,583	276	110	617	871	1,019	205
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,671	1,595	308	113	465	610	1,070	255
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	434	67	14	2	24	24	45	7
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,138	423	61	29	133	140	290	76
Two Speed Idle (TSI)	Basic	Referee	28	34	4	17	9	5	25	22
Two Speed Idle (TSI)	Basic	Test and Repair	45,682	5,354	806	296	1,818	1,762	4,005	648
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,268	167	12	9	60	45	131	18
Two Speed Idle (TSI)	Basic	Test Only	7,592	1,067	206	78	387	413	720	151
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	73	32	7	5	9	14	20	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,840	361	106	25	78	187	227	54
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	135	29	6	5	9	11	21	10
Two Speed Idle (TSI)	Change of Ownership	Referee	4	13	5	6	5	9	8	11
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,426	189	37	16	66	78	133	30
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	23	3	0	0	2	1	3	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	852	148	50	10	34	87	87	27
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	396	40	3	1	19	7	29	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	427	41	9	1	17	19	26	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,106	557	95	28	259	181	416	64
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	22	3	0	13	4	18	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	15	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Referee	54	25	1	14	11	4	14	15
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,557	1,331	143	52	802	301	1,072	104
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	353	10	1	0	8	2	9	1
Two Speed Idle (TSI)	Enhanced	Test Only	41,798	3,332	473	151	1,815	989	2,464	284
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	43	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	368	65	20	7	24	29	46	11
Two Speed Idle (TSI)	Partial	Referee	1	2	1	0	1	1	2	1
Two Speed Idle (TSI)	Partial	Test and Repair	2,117	192	36	13	87	70	135	22

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Test Only	1,118	117	18	7	60	36	87	14
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	349	62	11	7	24	24	43	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	970	135	33	13	43	67	82	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	373	33	9	1	15	12	23	3
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	9	1	0	5	3	6	0
Two Speed Idle (TSI)	Unknown Program	Referee	7	3	1	1	0	2	3	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,569	372	60	21	191	104	297	44
Two Speed Idle (TSI)	Unknown Program	Test Only	3,081	204	23	16	115	49	161	28
UnKnown TestType	Basic	Referee	3	14	0	9	0	14	0	9
UnKnown TestType	Change of Ownership	Referee	1	2	0	1	0	2	0	1
UnKnown TestType	Enhanced	Referee	9	69	0	34	0	69	0	42
UnKnown TestType	Partial	Referee	2	5	0	2	0	5	0	2
UnKnown TestType	Unknown Program	Referee	17	26	0	17	0	26	0	18